

Application No. 09/900,068
Attorney Docket No. FCI-2652/C3197
(21729-0002)

C.) AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings of claims in the Application.

1. (currently amended) An electrical contact, comprising:
 - a rear end having a first interface; and
 - a front end having a second interface to a connector, the second interface comprising:
 - ~~and a flexible electrical contact medium having a plurality of flexible members; and on the electrical contact;~~
 - an insulating member surrounding the flexible contact medium, the insulating member having a flanged portion, the flanged portion being configured to receive an end of each of the plurality of flexible members, wherein an end of each of the plurality of flexible members being disposed under the flanged portion to prevent the second interface prevents the electrical flexible contact medium on the electrical contact from being bent inward toward a center of the electrical contact, whereby probe damage is prevented.
2. (original) The electrical contact of claim 1, wherein the first interface connects to a connection medium.
3. (cancelled)
4. (cancelled)
5. (currently amended) The electrical contact of claim 1, wherein the end of each of the plurality of flexible members disposed under the flanged portion ~~a front end of the flexible contact medium~~ is tapered toward an outer boundary of the second interface.
6. (currently amended) The electrical contact of claim 1, wherein the flanged portion second interface comprises a curved rim that isolates the end of each of the plurality of flexible

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~~members disposed under the flanged portion, a front end of the flexible contact medium,~~
whereby contact with an exterior portion of the flexible contact medium that may bend said contact medium inward is prevented.

7. (original) The electrical contact of claim 1, wherein the second interface permits connection of the connector with a rear portion of the flexible contact medium.
8. (original) The electrical contact of claim 1, wherein the connector is a triaxial connector.
9. (cancelled)
10. (original) The electrical contact of claim 1, wherein the electrical contact is a triaxial pin contact.
11. (original) The electrical contact of claim 1, wherein the rear end is tubular.
12. (original) The electrical contact of claim 1, wherein the front end is tubular.
13. (original) The electrical contact of claim 1, wherein the first interface has one of more connection pins.
14. (original) The electrical contact of claim 13, wherein the connection pins include at least one of the following: a center pin, an intermediate pin, and an outer pin.
15. (currently amended) An electrical contact, comprising:
 - an intermediate contact having a flexible connection medium, the intermediate contact including a rear end having a first interface and a front end having a second interface;
 - an outer contact surrounding the intermediate contact;
 - a first insulator surrounding the intermediate contact and the flexible connection medium, wherein the first insulator provides electrical isolation of the intermediate contact from the outer contact, the first insulator having a flange, the flange being

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configured to receive a front portion of the flexible connection medium, wherein the front portion of the flexible connection medium being disposed under the flange to protect and wherein the first insulator has a front face that protects the flexible connection medium from being bent toward a center of the electrical contact by an electrical connector, and wherein the outer contact surrounds the first insulator, and a center contact surrounded by the intermediate contact.

16. (original) The electrical contact of claim 15, further comprising a second insulator located between the intermediate contact and the center contact, wherein the second insulator provides electrical isolation of the center contact from the intermediate contact.
17. (currently amended) The electrical contact of claim 15, ~~further comprising a flange on the front face,~~ wherein the flange isolates a front portion of the flexible connection medium from the mating connector.
18. (currently amended) The electrical contact of claim 15, ~~further comprising a ledge on the front face,~~ wherein the flange comprises a ledge and the a front portion of the flexible connection medium is located below the ledge.
19. (currently amended) The electrical contact of claim 15, wherein the a front portion of the flexible connection medium has a taper, and wherein the taper guides the mating connector within the flexible connection medium.
20. (currently amended) The electrical contact of claim 15, wherein the a front portion of the flexible contact medium is tapered in an outward direction toward an outer boundary of the outer contact.
21. (currently amended) The electrical contact of claim 15, wherein the a front portion of the flexible contact medium is isolated from the connector by a curved rim on the ~~front face~~ flange of the first insulator.

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22. (original) The electrical contact of claim 15, wherein the second interface permits connection of the connector with a rear portion of the flexible contact medium.
23. (original) The electrical contact of claim 15, further comprising a third insulator surrounding the center contact, wherein the third insulator provides electrical isolation of the center contact.
24. (original) The electrical contact of claim 15, wherein the center contact is connected to a center pin that extends from a rear side of the outer contact such that the center contact is within a plane of the outer contact.
25. (original) The electrical contact of claim 24, wherein the center pin carries a signal.
26. (original) The electrical contact of claim 15, wherein the intermediate contact is connected to an intermediate pin that extends from a rear side of the outer contact such that the center contact is within a plane of the outer contact.
27. (original) The electrical contact of claim 26, wherein the intermediate pin carries a ground potential.
28. (original) The electrical contact of claim 26, wherein the intermediate pin carries a signal.
29. (original) The electrical contact of claim 15, wherein the outer contact is connected to outer pin that extends from a rear side of the outer contact such that the center contact is within a bounder of the outer contact.
30. (original) The electrical contact of claim 29, wherein the outer pin carries a ground potential.
31. (currently amended) An electrical connector, comprising:
 a shell;
 an electrical contact located within the shell housing, the electrical contact
 comprising:

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a rear end having a first interface, and
a front end having a second interface to a connector, wherein the second interface has an insulator with a flanged portion located above a front portion of the electrical contact to prevent prevents the electrical contact from being bent toward a center of the electrical contact by the connector; and
at least one other electrical contact located within the shell.

32. (original) The electrical connector of claim 31, wherein the shell is substantially circular and surrounds the electrical contacts.

33. Cancelled.

34. Cancelled.

35. Cancelled.

36. Cancelled.

37. Cancelled.

38. Cancelled.

39. Cancelled.

40. (currently amended) A pin contact, comprising:

an outer contact;

an intermediate contact surrounded by the outer contact, wherein the intermediate contact has an outer insulative body and an inner flexible conductive body, and wherein the outer insulative body having a flange, the flange being configured to receive a front portion of the inner flexible conductive body, wherein the front portion of the inner flexible conductive body being disposed under the flange to prevent prevents the inner flexible conductive body from being bent toward a center of the electrical contact by a connector mating with the pin contact; and
a center contact surrounded by the outer contact and the intermediate contact.

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41. (original) The pin contact in claim 40, further comprising a second insulator located between the intermediate contact and the center contact, wherein the second insulator provides the electrical isolation of the center contact from the intermediate contact.
42. (original) The pin contact in claim 40, further comprising a third insulator surrounding the center contact, wherein the third insulator provides electrical isolation of the center contact.
43. (original) The pin contact in claim 40, wherein the center contact is connected to a center pin that extends from a rear side of the outer contact such that the center contact is within a plane of the outer contact.